

## ABSTRACT

[0075] An audio device comprising a single chip memory controller and digital signal processor is provided for playing audio files from or recording voice to a computer or electronic device which is in a power saving state. The audio device may be internal to the computer/electronic device or it may be external and attached to the computer/electronic device. The audio device may handle multiple audio file formats and is programmable so that additional formats may be added. In one embodiment, when the computer/electronic device is placed in a power saving state, the audio device takes over the computer/electronic device's function of handling user requests to play audio files or to record audio to the computer/electronic device. In one embodiment the audio files may be played from or written to a hard-drive on the computer/electronic device. In alternate embodiments a CD-RW may be used instead of a hard drive.